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1 Imports System.IO
2 Imports System.Xml
3 Imports System.Console
4
5 Public Class Form1
6     Public Dati_Ses(0 To 8, 0) As String
7     Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        Button1.Click
8         Dim Alltext As String = ""
9         Dim txt_riga As String
10        Dim MyPos As Integer
11        Dim txt_find As String = "TIME"
12        Dim righe As Integer = -1
13        Dim File_ses_Array(30) As String
14        Dim streamtodisplay As StreamReader
15        Dim r As Integer = 0
16        Dim log_txt As String = ""
17        Dim test_find As Boolean
18        Dim txt_time As Double
19        Dim txt_temp As String
20        Dim righe_time_1(0) As Integer
21        Dim righe_time_2(0) As Double
22        Dim i_t As Integer = 0
23        Dim num_righe_time As Integer
24
25        Dim i_dati As Integer = 0
26        Dim output_file As String
27        Dim output_string As String
28        Dim dato_ses As String
29        Dim n_car As Integer
30
31
32        ' Leggo file ses
33        OpenFileDialog1.Filter = "SES file (*.prn)|*.prn"
34        If OpenFileDialog1.ShowDialog() = DialogResult.OK Then
35            Try
36                streamtodisplay = My.Computer.FileSystem.OpenTextFileReader(OpenFileDialog1.FileName)
37                'Cerco numero righe file
38                Do Until streamtodisplay.EndOfStream
39                    streamtodisplay.ReadLine()
40                    righe = righe + 1
41                Loop
42                'lblNote.Text = righe
43                ReDim File_ses_Array(righe)
44                'Carico righe nell'array
45                streamtodisplay = My.Computer.FileSystem.OpenTextFileReader(OpenFileDialog1.FileName)
46                Do Until streamtodisplay.EndOfStream
47                    File_ses_Array(r) = streamtodisplay.ReadLine
48                    r = r + 1
49                Loop
50                'lblNote.Text = ((righe + 1) & " righe - Cartella: " & OpenFileDialog1.FileName)
51                txtNote.Text = ((righe + 1) & " righe - Cartella: " & OpenFileDialog1.FileName)
52                'txtNote.Text = Alltext
53                'txtNote.Enabled
54                streamtodisplay.Close()
55                MsgBox("File caricato con successo")
56            Catch ex As Exception
57                MsgBox("E' successo un errore" & vbCrLf & ex.Message)
58            End Try
59        End If
60        'Trovo righe iniziano con TIME
61        For r = 0 To righe
62            txt_riga = File_ses_Array(r)
63            If txt_riga.Length > 21 Then
64                txt_riga = txt_riga.Substring(0, 22)
65                MyPos = InStr(txt_riga, txt_find, CompareMethod.Text)
66                test_find = txt_riga.Contains("SECONDS")
67                If (MyPos = 1 And test_find = True) Then
68                    txt_temp = txt_riga.Substring(4, 10)
69                    txt_temp = txt_temp.Trim
70                    txt_time = Double.Parse(txt_temp, New System.Globalization.CultureInfo("en-US"))
71                    log_txt = (log_txt & vbCrLf & (r + 1) & " - " & MyPos & " - " & txt_riga & " - " &
        txt_time.ToString)
72                    ReDim Preserve righe_time_1(i_t)

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73         ReDim Preserve righe_time_2(i_t)
74         righe_time_1(i_t) = r
75         righe_time_2(i_t) = txt_time
76         i_t = i_t + 1
77         'System.Console.WriteLine(log_txt)
78     End If
79 End If
80 Next
81 ReDim Preserve righe_time_1(i_t)
82 righe_time_1(i_t) = righe
83 'MyPos = InStr(4, Alltext, txt_find, CompareMethod.Text)
84 'Console.OpenStandardOutput()
85 'Console.Write(log_txt)
86 Form2.Show()
87 Form2.txt_note_F2.Text = log_txt
88 MsgBox("Analisi terminata")
89 num_righe_time = righe_time_1.Length
90
91 'Trova dati Segmenti
92 txt_find = "- 1"
93 log_txt = ""
94 For i_time = 0 To num_righe_time - 2
95     For r = righe_time_1(i_time) To righe_time_1(i_time + 1)
96         txt_riga = File_ses_Array(r)
97         If txt_riga.Length > 99 Then
98             txt_temp = txt_riga.Substring(18, 4)
99             'MyPos = InStr(txt_temp, txt_find, CompareMethod.Text)
100             If txt_temp = txt_find Then
101
102                 'Estraggo i dati
103                 'Tempo
104                 Dati_Ses(0, i_dati) = righe_time_2(i_time)
105                 'Segmento
106                 txt_temp = txt_riga.Substring(14, 3)
107                 txt_temp = txt_temp.Trim
108                 Dati_Ses(1, i_dati) = txt_temp
109                 'Calore sensibile
110                 txt_temp = txt_riga.Substring(23, 13)
111                 txt_temp = txt_temp.Trim
112                 Dati_Ses(2, i_dati) = txt_temp
113                 'Calore latente
114                 txt_temp = txt_riga.Substring(37, 13)
115                 txt_temp = txt_temp.Trim
116                 Dati_Ses(3, i_dati) = txt_temp
117                 'Temperatura
118                 txt_temp = txt_riga.Substring(51, 15)
119                 txt_temp = txt_temp.Trim
120                 Dati_Ses(4, i_dati) = txt_temp
121                 'Umidità
122                 txt_temp = txt_riga.Substring(67, 10)
123                 txt_temp = txt_temp.Trim
124                 Dati_Ses(5, i_dati) = txt_temp
125                 'Portata
126                 txt_temp = txt_riga.Substring(78, 12)
127                 txt_temp = txt_temp.Trim
128                 Dati_Ses(6, i_dati) = txt_temp
129                 'Velocità
130                 txt_temp = txt_riga.Substring(91, 9)
131                 txt_temp = txt_temp.Trim
132                 Dati_Ses(7, i_dati) = txt_temp
133                 'Treno
134                 If txt_riga.Length > 100 Then
135                     n_car = txt_riga.Length - 101
136                     txt_temp = txt_riga.Substring(101, n_car)
137                     txt_temp = txt_temp.Trim
138                     Dati_Ses(8, i_dati) = txt_temp
139                 End If
140
141                 i_dati = i_dati + 1
142                 ReDim Preserve Dati_Ses(8, i_dati)
143
144                 log_txt = (log_txt & vbCrLf & righe_time_2(i_time) & " - " & txt_riga)
145
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147         End If
148     End If
149     Next
150     log_txt = (log_txt & vbCrLf)
151 Next
152 'Console.Write(log_txt)
153 Form2.txt_note_F2.Text = log_txt
154 MsgBox("Analisi terminata")
155 'Scrivo file di output
156 output_file = OpenFileDialog1.FileName
157 output_file = output_file.Substring(0, output_file.Length - 3) & ".csv"
158 Dim file = My.Computer.FileSystem.OpenTextFileWriter(output_file, False)
159 'Scrivo intestazione colonne
160 output_string = "Tempo;Segmento;Calore sensibile;Calore Latente;Temperatura;Umidità;Portata;
Velocità;Treno"
161 file.WriteLine(output_string)
162 'Scrivo dati nel file csv
163 Dim num_dati = Dati_Ses.Length / 9
164 For i = 0 To (num_dati - 2)
165     output_string = ""
166     For j = 0 To 8
167         dato_ses = Dati_Ses(j, i)
168         If dato_ses <> vbNullString Then
169             dato_ses = dato_ses.Replace(".", ",")
170         Else
171             dato_ses = ""
172         End If
173     Next
174     output_string = output_string & dato_ses & ";"
175 Next
176 file.WriteLine(output_string)
177 Next
178
179 file.Close()
180 MsgBox("File CSV scritto")
181 Form2.Hide()
182 'Console.WriteLine("pippo")
183
184 'Carico i dati nel listview
185 Dim str(3) As String
186 Dim itm As ListViewItem
187 Dim num_elementi As Integer = 1
188 ListView1.Items.Clear()
189 For i = 0 To (num_dati - 2)
190
191     str(0) = Dati_Ses(0, i)
192     str(1) = Dati_Ses(1, i)
193     str(2) = Dati_Ses(6, i)
194     str(3) = Dati_Ses(7, i)
195     itm = New ListViewItem(str)
196     ListView1.Items.Add(itm)
197     num_elementi = num_elementi + 1
198 Next
199 num_elementi = num_elementi - 1
200 Text_elementi.Text = "Numero elementi = " & num_elementi.ToString
201
202 'inserisce i tempi nel combobox
203 ComboBox1.Show()
204 Text_elementi.Show()
205 Button3.Show()
206 ComboBox1.Items.Clear()
207 For i = 0 To (i_t - 1)
208     ComboBox1.Items.Add(righe_time_2(i))
209
210 Next
211
212 'ListBox1.Items = righe_time_1
213 End Sub
214
215 Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button2.Click
216     'chiude applicazione
217 End
218 End Sub

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219
220 Private Sub ComboBox1_SelectedValueChanged(ByVal sender As Object, ByVal e As System.EventArgs) Handles ComboBox1.SelectedValueChanged
221     'Seleziona un tempo
222     'MsgBox(ComboBox1.SelectedItem)
223     Dim tempo_sel As String = ComboBox1.SelectedItem
224     'Carico i dati nel listview
225     Dim str(3) As String
226     Dim itm As ListViewItem
227     Dim num_dati = Dati_Ses.Length / 9
228     Dim num_elementi As Integer = 1
229     ListView1.Items.Clear()
230     For i = 0 To (num_dati - 2)
231         If Dati_Ses(0, i) = tempo_sel Then
232             str(0) = Dati_Ses(0, i)
233             str(1) = Dati_Ses(1, i)
234             str(2) = Dati_Ses(6, i)
235             str(3) = Dati_Ses(7, i)
236             itm = New ListViewItem(str)
237             ListView1.Items.Add(itm)
238             num_elementi = num_elementi + 1
239         End If
240     Next
241     num_elementi = num_elementi - 1
242     Text_elementi.Text = "Numero elementi = " & num_elementi.ToString
243 End Sub
244
245 Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click
246     'Carica tutti i dati nel listview
247     Dim str(3) As String
248     Dim itm As ListViewItem
249     Dim num_dati = Dati_Ses.Length / 9
250     Dim num_elementi As Integer = 1
251     ListView1.Items.Clear()
252     For i = 0 To (num_dati - 2)
253         str(0) = Dati_Ses(0, i)
254         str(1) = Dati_Ses(1, i)
255         str(2) = Dati_Ses(6, i)
256         str(3) = Dati_Ses(7, i)
257         itm = New ListViewItem(str)
258         ListView1.Items.Add(itm)
259         num_elementi = num_elementi + 1
260     Next
261     num_elementi = num_elementi - 1
262     Text_elementi.Text = "Numero elementi = " & num_elementi.ToString
263 End Sub
264
265 Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
266
267 End Sub
268 End Class
269
```